

### **Amendments to the Claims**

1. (Original) A recording medium for storing system stream including video elementary stream generated by encoding video information and audio elementary stream generated by encoding audio information with the video elementary stream and the audio elementary stream being multiplexed, wherein

the system stream is allowed to have a first format (TS) and a second format (PS), the first format is allowed to have a constrained format used for converting the system stream from the first format (TS) to the second format (PS),

according to the constrained format,

a presentation order of the video information including continuous complete data blocks starts at a top field and ends at a bottom field, the continuous complete data blocks are included in continuous reference presentation time for video information and audio information, and the continuous reference presentation time includes at least one data block.

### **Claims 2-6 (Canceled)**

7. (Original) An information recording apparatus for encoding video information and audio information to system stream and recording the system stream to a recording medium,

the system stream being allowed to have a first format (TS) and a second format (PS),

the information recording apparatus comprising:

a first encoding section operable to encode video information and audio information in a predetermined encoding manner according to the first format (TS) to generate video elementary stream and audio elementary stream;

a second encoding section operable to perform system-encoding by multiplexing the video elementary stream and the audio elementary stream to generate the system stream according to the first format (TS); and

a control section operable to control the first encoding section and the second encoding section,

wherein the first format (TS) is allowed to have a constrained format used for converting the system stream from the first format (TS) to the second format (PS),

the control section controls the first and second encoding section so that each encoding is done according to the constrained format, and

according to the constrained format, a presentation order of the video information including continuous complete data block starts at a top field and ends at a bottom field, the continuous complete data blocks are included in continuous reference presentation time for video information and audio information, and the continuous reference presentation time includes at least one data block.

#### **Claims 8-12 (Canceled)**

13. **(Original)** An information recording method including encoding video information and audio information to system stream and recording the system stream to a recording medium,

the system stream being allowed to have a first format (TS) and a second format (PS),

the first format (TS) is allowed to have a constrained format used for converting the system stream from the first format (TS) to the second format (PS),

the information recording method comprising:

encoding video information and audio information in a predetermined encoding manner according to the first format (TS) to generate video elementary stream and audio elementary stream; and

performing system-encoding by multiplexing the video elementary stream and the audio elementary stream to generate the system stream according to the first format (TS);

wherein, according to the constrained format, a presentation order of the video information including continuous complete data blocks starts at a top field and ends at a bottom field, the continuous complete data blocks are included in continuous reference presentation time for video information and audio information, and the continuous reference presentation time includes at least one data block.

#### **Claims 14-18 (Canceled)**